

HAVERINEN -- 09/803,943
Client/Matter: 060258-0276745

REMARKS

By this Amendment, claims 1 and 9 are amended to incorporate subject matter of claims 2 and 10 (cancelled without prejudice or disclaimer) and new claims 14 and 15 are added (patentable over the cited prior art for substantially the same reasons as the other pending claims). Claims 1, 3-9 and 11-15 are pending.

Although the Office Action indicated the allowability of some claims, Applicant delays rewriting those claims in independent form to afford the Office the opportunity to fully reconsider the allowability of the rejected base claims. Specifically, the Office Action rejected claims 1, 5 and 9 under 35 U.S.C. 102(e) as being anticipated by Leung (U.S. 6,195,705) and rejected claims 4 and 12 under 35 U.S.C. 103(a) as being unpatentable over Leung and Khalil et al. (U.S. 6,430,698; hereafter "Khalil").

Applicant traverses these rejections because the prior art references, analyzed individually or in combination, fail to disclose, teach or suggest all the features recited in the rejected claims. For example, Leung and Khalil, analyzed individually or in combination, fail to disclose, teach or suggest, a method for balancing load in a telecommunications system supporting Mobile IP, including "processing, in the primary home agent, registration requests, sent from the at least one mobile node or a foreign agent serving the mobile node in a visited network; sending a routing request to the one or more secondary home agents to transmit packets destined for the at least one mobile node in response to receiving a registration request that is acceptable from the mobile node or from the foreign agent serving the mobile node in the visited network; and intercepting and tunneling packets destined for the at least one mobile node by the one or more secondary home agents in response to the routing request," as recited in independent claim 1 and its dependent claims.

Similarly, the cited prior art fails to disclose, teach or suggest a telecommunications system being configured to transmit packets destined for the at least one mobile node via the at least one secondary home agent when needed, "wherein the primary home agent is configured to process registration requests sent from the at least one mobile node or a foreign agent serving the mobile node in a visited network, and the primary home agent is configured to send a routing request to the at least one secondary home agent to transmit packets destined for the at least one mobile node in response to receiving a registration request that is acceptable from the mobile node or the foreign agent serving the mobile node in the visited network, and wherein the at least one secondary home agent is configured to intercept and

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tunnel packets destined for the at least one mobile node in response to the routing request," as recited in independent claim 9 and its dependent claims.

Leung merely discloses a method and apparatus for automatically backing up a Home Agent in Mobile IP, employing components of the Hot Standby Router Protocol. The Leung invention extends the protocol to include synchronization of the mobility binding table between an active Home Agent and a standby Home Agent that backs it up. However, there is not discussion of transmission of specific routing requests to a secondary agent to transmit packets destined for a mobile node or intercepting and tunneling packets destined to the mobile node.

Similarly, Khalil merely discloses a computer protocol that manages and provides efficient communications and utilization of resources between a mobile computer system or device and other systems and devices. Although each home agent maintains a home agent list containing information about each of the home agents coupled to the home link, there is no mention of a primary home agent being configured to process registration requests, send a routing request to the at least one secondary home agent to transmit packets destined for the at least one mobile node in response to receiving a registration request that is acceptable from the mobile node or the foreign agent serving the mobile node in the visited network, or to intercept and tunnel packets destined for the at least one mobile node in response to the routing request.

Thus, Leung and Khalil fail to disclose transmission of specific routing requests to a secondary home agent to transmit packets destined for the at least one mobile node in response to receiving a registration request that is acceptable, or intercepting and tunneling the packets destined for the at least one mobile node by the one or more secondary home agents in response to the routing request.

All rejections have been addressed. If anything further is necessary to place the application in condition for allowance, Applicant requests that the Examiner contact Applicant's undersigned representative at the telephone number listed below.

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Please charge any fees associated with the submission of this paper to Deposit Account Number 033975. The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,

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